

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365309

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 909.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

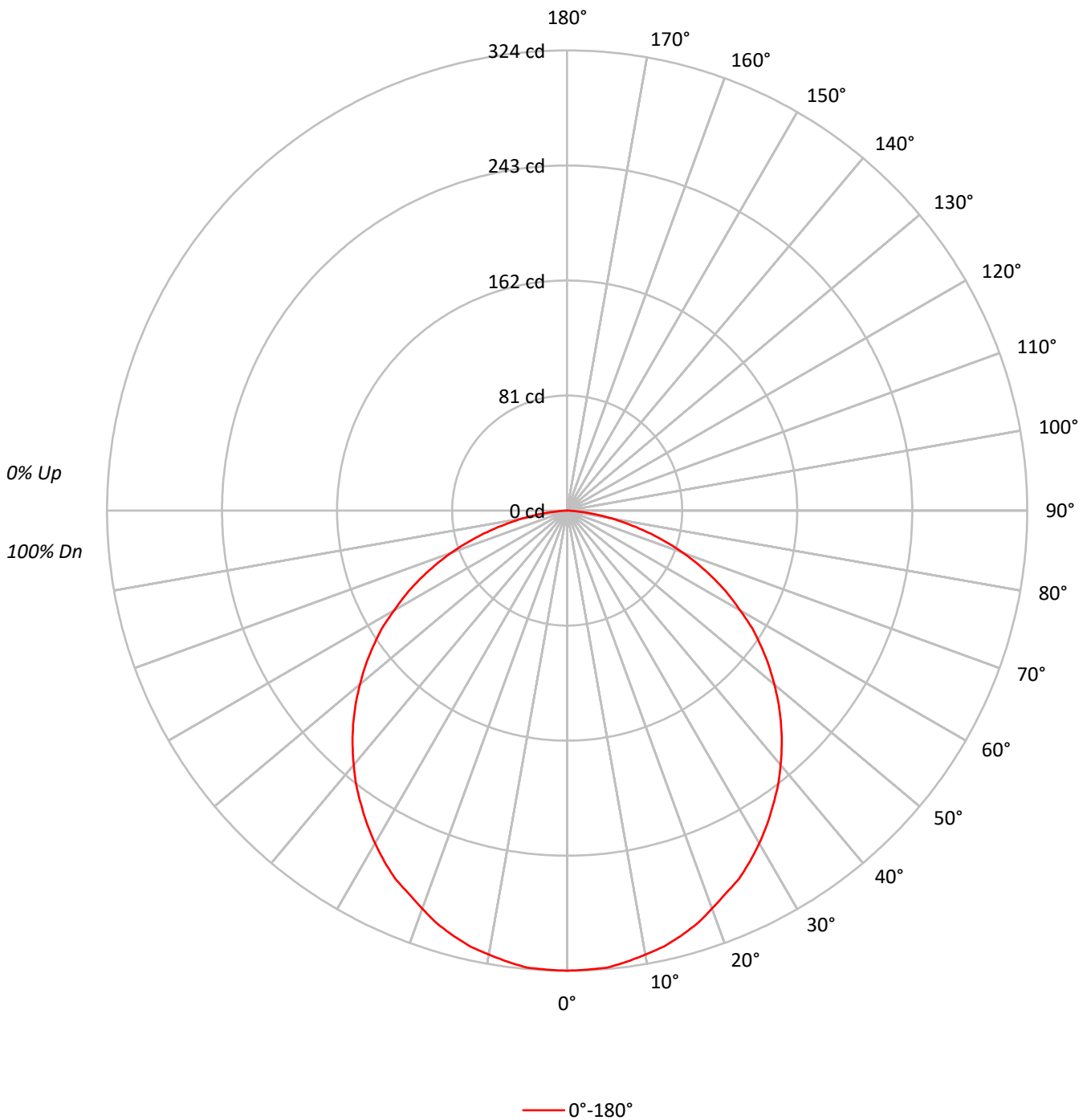
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8850
5°	8857
10°	8804
15°	8764
20°	8671
25°	8626
30°	8535
35°	8433
40°	8337
45°	8232
50°	8095
55°	7943
60°	7681
65°	7394
70°	6924
75°	6163
80°	4986
85°	3009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	3.4
10°-20°	87.4	9.6
20°-30°	131.7	14.5
30°-40°	158.3	17.4
40°-50°	164.3	18.1
50°-60°	148.9	16.4
60°-70°	113.0	12.4
70°-80°	61.8	6.8
80°-90°	13.0	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	249.7	27.5
0°-40°	408.0	44.9
0°-60°	721.2	79.3
0°-90°	909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	909.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	324	
5°	323	31
15°	310	87
25°	286	132
35°	253	158
45°	213	164
55°	167	149
65°	114	113
75°	58	62
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	324.0
2.5°	323.5
5°	323.0
7.5°	320.5
10°	317.4
12.5°	314.4
15°	309.9
17.5°	304.8
20°	298.3
22.5°	291.7
25°	286.2
27.5°	278.6
30°	270.6
32.5°	262.0
35°	252.9
37.5°	243.9
40°	233.8
42.5°	223.7
45°	213.1
47.5°	202.0
50°	190.5
52.5°	178.9
55°	166.8
57.5°	154.7
60°	140.6
62.5°	128.0
65°	114.4
67.5°	100.8
70°	86.7
72.5°	72.6
75°	58.4
77.5°	44.3
80°	31.7
82.5°	19.7
85°	9.6
87.5°	2.5
90°	0.0

(END OF REPORT)